



2001 Toxics Release Inventory

UTAH

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	766,215,034
Air Emissions	19,220,667
Surface Water Discharges	1,215,070
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	5,266,999
Other On-site Land Releases	740,512,297
Off-site Releases (Transfers Off-site to Disposal)*	982,691
Total On- and Off-site Releases	767,197,725
Recycled On-site	146,169,795
Recycled Off-site	2,710,383
Energy Recovery On-site	2,719,020
Energy Recovery Off-site	73,466
Treated On-site	78,768,765
Treated Off-site**	1,226,624
Quantity Released On- and Off-site***	764,952,754
Total Production-related Waste Managed	996,620,807
Non-production-related Waste Managed	10,579,265

Transfers Off-site for Further Waste Management, including Disposal

Recycling	2,695,980
Energy Recovery	43,134
Treatment	425,083
Publicly Owned Treatment Works (POTWs)	1,143,894
Metals and Metal Category Compounds*	2,777
Non-metal TRI Chemicals**	1,141,117
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	8,621,816
Total Transfers Off-site for Further Waste Management, including Disposal	12,929,907

* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

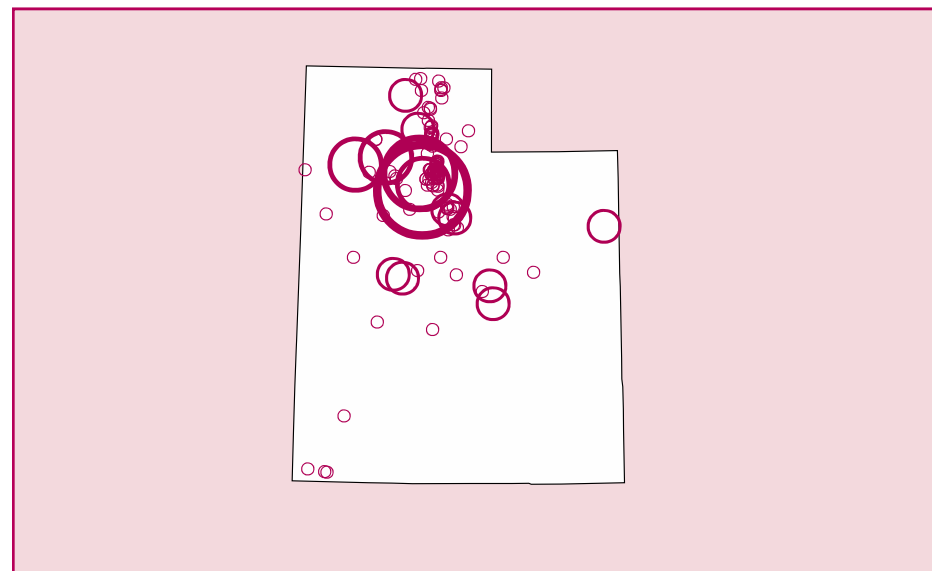
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To obtain TRI data use
assistance, call TRI User
Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Utah. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	2,278,712
Square Miles	82,168
Total Facilities	179
Total Forms	799
Form As	77

	Total
National Rank for Total On- and Off-site Releases*	
Rank	2
Pounds	767,197,725
National Rank for Total On-site Releases**	
Rank	2
Pounds	766,215,034
National Rank for Total Releases within State***	
Rank	2
Pounds	769,554,188
National Rank for Production-related Waste Managed	
Rank	8
Pounds	996,620,807

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Copper compounds	63,960	2,860	0	424,682,491	139,638	424,888,949	207,678	40,565	103,230
—	Lead compounds	7,791	256	0	94,823,839	606,855	95,438,741	563,446	128,471	496,009
—	Zinc compounds	9,496	8,672	0	75,447,094	6,357,325	81,822,587	869,817	202,697	6,350,580
—	Manganese compounds	7,532	510	0	46,918,461	609,097	47,535,600	25,425	36,290	606,002
—	Chromium compounds	2,869	500	0	44,307,998	116,229	44,427,596	9,985	71,531	64,827

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	7,791.29	255.70	0.00	94,823,839.21	606,854.73	95,438,740.93	563,446.18	128,470.63	496,009.20
7439-92-1	Lead	385.38	184.00	0.00	252,728.59	19,977.91	273,275.88	306,870.39	19,591.41	749.40
1336-36-3	Polychlorinated biphenyls (PCBs)	4.00	0.00	0.00	183,582.00	1,173.10	184,759.10	45,170.31	1,173.10	0.00
—	Mercury compounds	999.46	5.00	0.00	44,187.26	792.10	45,983.81	1,857.10	788.78	3.62
—	Polycyclic aromatic compounds	4,895.14	67.00	0.00	10.00	4,031.52	9,003.66	24.01	4,031.52	0.00
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	736.00	268.94	1,004.94	272.00	268.94	0.00
191-24-2	Benzo(g,h,i)perylene	121.03	6.50	0.00	0.00	0.00	127.53	25.40	0.00	0.00
—	Dioxin and dioxin-like compounds	0.45	0.00	0.00	5.06	0.01	5.52	0.00	0.00	0.01
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>204.983</i>	<i>0.000</i>	<i>0.000</i>	<i>2,295.444</i>	<i>2.640</i>	<i>2,503.068</i>	<i>0.000</i>	<i>0.030</i>	<i>2.610</i>
7439-97-6	Mercury	2.56	0.00	0.00	0.20	0.00	2.76	43.65	0.10	0.00
8001-35-2	Toxaphene	0.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
608-93-5	Pentachlorobenzene	0.00	0.00	0.00	0.00	0.23	0.23	0.00	0.23	0.00
1582-09-8	Trifluralin	0.00	0.00	0.00	0.00	0.09	0.09	0.00	0.09	0.00
76-44-8	Heptachlor	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.02	0.00
57-74-9	Chlordane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40487-42-1	Pendimethalin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	25,195	22,894	0	0	0	695,881,360	695,929,448	0	255
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	99,101	8,833	0	0	0	27,722,175	27,830,109	0	36,691
Magnesium Corp. of America, Rowley, Tooele	14,354,000	0	0	0	0	7,947	14,361,947	0	0
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	10,503	0	0	0	0	6,760,150	6,770,653	0	0
Safety Kleen (Lone & Grassy), Grantsville, Tooele	233	0	0	0	5,266,998	469,286	5,736,517	7,332	0
Pacificorp Huntington Plant, Huntington, Emery	858,644	0	0	0	0	1,067,579	1,926,223	28	0
Intermountain Power Generating Station, Delta, Millard	137,138	0	0	0	0	1,470,174	1,607,312	0	0
Bonanza Power Plant, Vernal, Uintah	78,280	0	0	0	0	1,501,111	1,579,391	0	4,781
Western Zirconium, Ogden, Weber	51,682	0	0	0	0	1,461,020	1,512,702	0	0
Geneva Steel L.L.C., Vineyard, Utah	92,746	933,451	0	0	0	331,900	1,358,098	0	0

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	704.80	63.50	0.00	0.00	0.00	91,131,000.00	91,131,768.30	0.00	0.20
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	4,316.03	182.50	0.00	0.00	0.00	2,876,620.02	2,881,118.55	0.00	8,281.10
Safety Kleen (Lone & Grassy), Grantsville, Tooele	28.20	0.00	0.00	0.00	629,367.00	184,732.00	814,127.20	1,911.00	0.00
Pacific States Cast Iron Pipe Co., Provo, Utah	175.00	0.00	0.00	0.00	0.00	236,066.00	236,241.00	0.00	0.00
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	2.76	0.00	0.00	0.00	0.00	59,400.00	59,402.76	0.00	0.00
Intermountain Power Generating Station, Delta, Millard	478.20	0.00	0.00	0.00	0.00	51,824.11	52,302.32	0.00	0.00
Bonanza Power Plant, Vernal, Uintah	135.13	0.00	0.00	0.00	0.00	40,178.65	40,313.78	0.00	116.52
Pacificorp Hunter Plant, Castle Dale, Emery	413.50	0.00	0.00	0.00	0.00	24,654.20	25,067.70	0.30	0.00
Ash Grove Cement Co., Leamington, Juab	92.70	0.00	0.00	0.00	0.00	20,516.20	20,608.90	1.50	0.00
Pacificorp Huntington Plant, Huntington, Emery	285.20	0.00	0.00	0.00	0.00	20,139.90	20,425.10	27.50	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	0	0	0	0	0	0	696,350,305	696,350,305	0
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	0	0	0	0	1,500	0	17,641,485	17,642,985	10,234,850
Magnesium Corp. of America, Rowley, Tooele	141,000,000	0	0	0	33,000,000	89	14,207,948	188,208,037	0
Nucor Corp. Nucor Steel Div., Plymouth, Box Elder	0	19	0	0	0	0	7,878,620	7,878,639	50,803
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	0	0	0	0	0	0	6,770,150	6,770,150	0
Safety Kleen (Lone & Grassy), Grantsville, Tooele	0	0	0	0	337,426	0	5,743,868	6,081,294	0
Pacificorp Huntington Plant, Huntington, Emery	0	1	0	0	1,720,000	0	1,925,454	3,645,455	0
Intermountain Power Generating Station, Delta, Millard	0	0	0	0	4,190,000	0	1,622,802	5,812,802	0
Bonanza Power Plant, Vernal, Uintah	0	0	0	0	1,381,590	0	1,569,271	2,950,861	0
Western Zirconium, Ogden, Weber	140,000	0	0	0	6,423,000	509	1,513,310	8,076,819	0

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	0.00	0.00	0.00	0.00	0.00	0.00	91,031,000.00	91,031,000.00	0.00
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	0.00	0.00	0.00	0.00	0.00	0.00	1,900,970.00	1,900,970.00	975,700.00
Safety Kleen (Lone & Grassy), Grantsville, Tooele	0.00	0.00	0.00	0.00	0.00	0.00	816,057.00	816,057.00	0.00
Nucor Corp. Nucor Steel Div., Plymouth, Box Elder	0.00	1.00	0.00	0.00	0.00	0.00	499,257.00	499,258.00	5,796.00
Pacific States Cast Iron Pipe Co., Provo, Utah	0.00	0.00	0.00	0.00	0.00	0.00	236,241.00	236,241.00	0.00
Edo Corp. Western Div., Salt Lake City, Salt Lake	0.00	0.00	0.00	0.00	0.00	0.00	99,000.00	99,000.00	0.00
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	0.00	0.00	0.00	0.00	0.00	0.00	59,400.00	59,400.00	0.00
Intermountain Power Generating Station, Delta, Millard	0.00	0.00	0.00	0.00	0.00	0.00	52,302.00	52,302.00	0.00
Bonanza Power Plant, Vernal, Uintah	0.00	0.00	0.00	0.00	0.00	0.00	40,429.00	40,429.00	0.00
Pacificorp Hunter Plant, Castle Dale, Emery	0.00	0.00	0.00	0.00	0.00	0.00	25,068.00	25,068.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.